



Time Series of Height

How to Get a Random Sample from CensusAtSchool

Go to the CensusAtSchool [Random Sampler](#) to download a sample.X

Reference year: *(select year)*

Sample size: *At least 150 students*

Select questions: *Height*

Location: *Select location*

Year level: *(select a range of year levels)*

To protect privacy there is a rule built into the sampler that the requested sample size cannot exceed 10% entered.



Please note: This task is designed to be completed by hand. It can also be completed using a computer or CAS calculator.

Task:

- 1.** In your CensusAtSchool random sample, find the question about year level, and the question about height, and enter both sets of thirty numbers as:
 - ✓ as a table in your workbook, or
 - ✓ two columns in Excel, or
 - ✓ two separate lists in your CAS calculator.
- 2.** Sort your data by year level; it's easier if you use the SORT function in Excel.
- 3.** Find years 7, 8, 9, 10 and 11. Each year level must have at least ten values each. Use the first ten values from each of the five year levels to fill in the table below. You are only using fifty values all together. Add the heights up and calculate the mean for each year level.

Year	Heights										Total	Mean
7												
8												
9												
10												
11												



ABS Education Services

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